Homework 7

1. Complete the R exercise. All the code is provided; be sure to answer the prompts and explain how each of the steps worked for you.

2. Answer the following questions using the example in 9.17, but change $\bar{x}_1$ to 3.75

   (a) 9.17a-d
   (b) Compute the p-value in R
   (c) 9.17f

3. 9.20, but compute a 99% confidence interval for 9.20d

4. 9.24, but use 90% confidence intervals

5. 9.38, but use $\alpha = 0.05$ in 9.38b, and 95% confidence in 9.38c

6. 9.67. Compute a p-value for 9.67c, and compute a 90% CI for $p_1 - p_2$ using the Agresti-Caffo approach